SWALLOW.

A NEW ALMANACK

for the Year of our

LORD GOD

1684.

Being the Biſſextile or Leap-year,
and from the Worlds Creation,
5687.

Calculated properly for the famous
Univerſity and Town of *Cambridge*, where
the Pole Artick is elevated 52 deg.
17 min. above the Horizon.

And may ſerve indifferently for any other
place of this Kingdom.

Omnia ſuke metis tempus.

CAMBRIDGE,
Printed by John Hayes, Printer to
the Univerſity, 1684.

The vulgar Notes and Moveable Feasts for this

Year 1684. in both Accounts, *viz.*

Julian or *English.*			*Gregorian* or Foreign.	
	13	The Golden Number		13
	13	Cycle of the Sun.		13
	23	The Epact		13
		The Dominical Letters		
Feb.	10	Shrove-sunday	Febr.	13
March	30	Easter-day	April	2
May	8	Ascension-day	May	11
May	18	Whit-sunday	May	21
May	25	Trinity Sunday	May	28
Novem.	30	Advent-sunday	Decemb.	3

The Anatomy of Man's body.

♈ *Aries* Head and Face
♉ *Taurus* Neck & Throat
♊ *Gemini* Arms and Shoul.
♋ *Cancer* Breast & Stom.
♌ *Leo* Heart and Back
♍ *Virgo* Bowels and Belly
♎ *Libra* Reins and Loyns
♏ *Scorpio* Secret members.
♐ *Sagitarius* the Thighs
♑ *Capricornus* the Knees
♒ *Aquarius* the Legs
♓ *Pisces* the Feet.

The

The Terms with their Returns.

Hilary Term begins January 23, and ends February 12, and hath 4 returns, *viz.*

- Octab. Hilar. Jan. 21
- Quind. Hilar. Jan. 28
- Craſt. Purif. Febr. 4
- Octab. Purif. Febr. 9

Eaſter Term begins April 16, ends May 12, and hath 5 returns, *viz.*

- Quind. Paſch. Apr. 14
- Tres Paſch. April 21
- Menſ. Paſch. April 28
- Quinq. Paſch. May 5
- Craſt. Aſcen. May 9

Trinity Term begins May 30, and ends June 18, and hath 4 returns, *viz.*

- Craſt. Trin. May 26
- Octab. Trin. June 2
- Quind. Trin. June 9
- Tres Trin. June 16

Michaelmas Term begins October 23, ends November 28, and hath 6 returns, *viz.*

- Tres Mich. Octob. 20
- Menſ. Mich. Octob. 27
- Craſt. anim. Nov. 3
- Craſt. Mart. Nov. 12
- Octab. Mart. Nov. 18
- Quind. Mart. Nov. 25

Note that the Exchequer openeth 8 days before any Term begins, except the Term of Trinity, in which it openeth but 4 days before.

Note alſo that the bright Planet *Venus* will be our evening Star from the beginning of the Year, to the 25 *Auguſt*, and then making her Conjunction with the Sun, She becomes Oriental, and will be our glorious morning Star, to the end of the Year.

New moon the 6 day, 35 min. paſt 5 at night.
Firſt quarter the 14 day, 26 min. paſt 6 at night.
Full moon the 22 day, 5 min. paſt 8 beforenoon.
Laſt quarter the 28 day, 43 min. paſt 9 at night.

1	a	Circumciſio	Scorp.	16	21	21		
2	b	Octab. Steph.	Sagit.	0	22	22	The month	
3	c	Octab. John		13	23	23	as alſo the	
4	d	Octab. Innoc.		27	24	24	Year begins	
5	e	Simeon	Capr.	10	25	26	indifferently	
6	f	Epiphany		23	26	27	warm for the	
7	g	Julian	Aquar.	6	27	28	ſeaſon, but	
8	a	Erhardus		19	28	29	expect now	
9	b	Marcelline	Piſc.	1	29	30	about ſome	
10	c	Paul Herm.		13	0 ♒	31	ſnow with	
11	d	Hyginus		25	1	32	froſt.	
12	e	Satyrius	Aries	7	2	33		
13	f	1 aft. Epiph.		19	3	35		
14	g	Felix	Taur.	1	4	36	Windy about	
15	a	Maurus		13	5	37	the middle of	
16	b	Marcellus		25	6	38	the month,	
17	c	Anthony	Gem.	8	7	39	though not	
18	d	Priſca		20	8	40	very ſharp	
19	e	Pontion	Canc.	4	9	41	yet moderate	
20	f	2 aft. Epiph.		17	10	42	froſt.	
21	g	Octab. Hilar.	Leo	1	11	43		
22	a	Vincent		16	12	44		
23	b	Terra begins	Virgo	0	13	44		
24	c	Timothy		15	14	45	High winds	
25	d	Conv. S. Paul	Libra	♎	15	46	with ſnow	
26	e	Polycarpus		14	16	47	toward the	
27	f	Synadgelius		29	17	48	end, yet fine	
28	g	Quind. Hil.	Scorp.	13	18	49	mild weather.	
29	a	Carolus mag.		25	19	49		
30	b	K. Char. I. M.	Sagit.	10	20	50		
31	c	Virgilius		23	21	51		

New moon the 5 day, 17 min. paſt 10 beforenoon.
Firſt quarter the 13 day, 52 min. paſt 1 afternoon.
Full moon the 20 day. 50 min. paſt 4 afternoon.
Laſt quarter 27 day, 31 min. paſt 7 in the morning.

M.	D.	Feſtival days with terms.	Moons place.	⊙ plac. d.	m.	
1	d	Bridget faſt	Capr. 7	22	51	Wet weather
2	e	Purif. Mary	19	23	52	may begin
3	f	Sexageſima				
4	g	Craſt. Purif.	Aquar. 2	24	53	the month
5	a	Agatha	15	25	53	with ſome
6	b	Dozothy	27	26	54	ſnow, but
7	c	Zachary	Piſces 9	27	54	not very cold
8	d	Salome	21	28	55	although a
9	e	Octab. Purif	Aries 3	29	55	little frosty,
10	f	Shrove Sund.	15	0 ♈	56	and withall
11	g	Euphrosina	27	1	56	cloudy.
12	a	Term ends	Taur. 9	2	57	
13	b	Aſh wedneſd.	21	3	57	
14	c	Valentine	Gem. 3	4	57	
15	d	Fauſtine	16	5	58	About the
16	e	Juliana	28	6	58	full Moon or
17	f	Quadrageſi.	Canc. 11	7	58	before, expect
18	g	Concord	25	8	58	high winds
19	a	Sim. Ap.	Leo 9	9	58	with ſnow
20	b	Ember week	24	10	59	and rain.
21	c	69 Martyrs	Virgo 9	11	59	
22	d	Cathedr. Pet.	24	12	59	
23	e	Serenus faſt	Libra 9	13	59	Wet, raw, &
24	f	2 Sun. in Lent	24	14	59	ſlabby weather
25	g	S. Matthias	Scorp. 9	15	59	about this
26	a	Victor	23	16	59	time, but
27	b	Nestor	Sagit. 7	17	58	warm and
28	c	Fortuna	21	18	58	windy toward
29	d	Macar	Capr. 4	19	58	the end with
			16	20	58	ſnow or rain.

New moon the 6 day, 26 min. paſt 3 in the morn.
Firſt quarter the 14 day, 14 min. paſt 6 in the morn.
Full moon the 21 day, 1 min. paſt 2 in the morning.
Laſt quarter the 27 day, 30 min. paſt 7 at night.

1	D	David Biſh.	Capr.	29	21	58	
2		3 ſun. in Lent	Aquar.	11	22	57	*March* now
3	E	Lucius		24	23	57	bluſters with
4	F	Adrian	Piſces	6	24	57	high winds
5	G	Euſebius		18	25	57	but not very
6	A	Frederick	Aries	0	26	56	piercing, and
7	B	Perpetua		12	27	56	as to his
8	C	Cyprian		24	28	55	quality, he
9	D	Midlent Sund.	Taur.	6	29	55	may continue
10	E			18	0 ♈	54	pritty warm
11	F	Cuthbert	Gem.	0	1	54	for a while.
12	G	Gregory		12	2	53	
13	A	Erneſtus		24	3	53	Windy and
14	B	Eutychus	Canc.	7	4	52	dry weather
15	C	Longinus		20	5	51	and a little
16	D	5 Sun. in Lent	Leo	3	6	50	cold now.
17	E	Gertrude		17	7	49	
18	F	Gabriel	Virgo	2	8	48	
19	G	Joſeph		17	9	47	
20	A	Rupert	Libra	2	10	46	Windy and
21	B	Benedict		17	11	45	wet about the
22	C	Paulinus	Scorp.	3	12	44	full moon,
23	D	Palm Sunday		18	13	43	and alſo
24	E	Nutrix faſt	Sagit.	2	14	42	ſtormy to-
25	F	Lady day		16	15	41	ward the
26	G	Taſſulus	Capr.	0	16	40	end.
27	A	Archibald		13	17	39	
28	B	Good friday		26	18	38	
29	C	Euſtachius	Aquar.	9	19	37	
30	D	Eaſter day		21	20	36	
31	E	Balbina	Piſc.	3	21	35	

New moon the 4 day, 2 min. paſt 9 at night.
Firſt quarter the 12 day, 9 min. paſt 7 at night.
Full moon the 19 day, 56 min. paſt 9 in the morning.
Laſt quarter the 26 day, 11 min. paſt 9 in the morn.

1	☽	Conv. M. M.	Piſc.	15	22	33		
2	a	Mary Egypt		27	23	31	Rainy and	
3	b	Chriſtian	Arie	9	24	29	cold weather	
4	c	Ambroſe		21	25	28	at the begin-	
5	d	Vincent	Taur.	3	26	26	ning of the	
6		Low Sunday		15	27	25	month, but	
7	f	Celeſtine		27	28	23	warmer may	
8	☽	Dionyſ.	Gem.	9	29	22	ſoon be ex-	
9	a	Alvinus		21	0 ♉	20	pected with	
10	b	Ezechiel	Canc.	4	1	18	fine gentle	
11	c	Leo Pope		16	2	17	ſhowers.	
12	d	Julius		29	3	15		
13		2 after Eaſter	Leo	13	4	13		
14	f	Quind. Paſc.		26	5	11		
15	☽	Olympia	Virgo	11	6	9		
16	a	Julian begins		26	7	8	Good whole-	
17	b	Aniceetus	Libra	11	8	6	ſom weather,	
18	c	Oſwin		26	9	4	being fine and	
19	d	Timothy	Scorp.	11	10	2	mild with	
20		3 Sun. af. Eaſt.		26	11	0	wholeſom	
21	f	Tres Paſch.	Sagit.	11	11	58	gales of	
22	☽	Emmanuel		25	12	56	wind.	
23	a	S. George	Capr.	9	13	54		
24	b	Albertus		22	14	52		
25	c	S. Mark Ev.	Aquar.	5	15	49	Windy to-	
26	d	Cletus		18	16	47	wards the	
27		4 ſun. af. Eaſt.	Piſces	0	17	45	end with rain	
28	f	Menſ. Paſch.		12	18	43	and thunder.	
29	☽	Sibylla		24	19	41		
30	a	Joſua	Aries	6	20	38		

New moon the 4 day, 52 min. paſt noon.
Firſt quarter the 12 day, 4 min. paſt 4 in the morn.
Full moon the 18 day, 35 min. paſt 5 afternoon.
Laſt quarter the 26 day, 33 min. paſt 12 in the morn.

1	h	Phil. & James	Aries	18	21	36	
2	c	Athanaſius	Taur.	0	22	34	Moiſt & wet
3	d	Invent. Cruc.		12	23	31	at the begin-
4	e	Rogation Sun.		24	24	29	ning.
5	f	Quinq; Paſch.	Gem.	6	25	27	
6	g	Joh. Port.Lat.		18	26	24	Windy and
7	a	Juvenal	Canc.	1	27	22	rainy weather
8	b	Aſcension day		13	28	19	and withall
9	c	Craſt. Aſcen.		26	29	17	cold.
10	d	Pancratius	Leo	9	0	14	
11	e	Sun.aſt.Aſcen.		23	1	12	Indifferently
12	f	Terme ends	Virg.	6	2	9	good weather
13	g	Servatius		20	3	7	now, but
14	a	Fortuna	Libra	5	4	4	windy, and
15	b	Sophia		20	5	1	it is likely
16	c	Peregrine	Scorp.	4	5	59	thunder about
17	d	Jodocus		19	6	57	this time.
18	e	Whitſunday	Sagit.	4	7	54	
19	f	Sarah		19	8	51	
20	g	Bernard	Capr.	3	9	48	
21	a	Ember week		17	10	45	Windy wea-
22	b	Helena	Aquar.	1	11	43	ther toward
23	c	Deſiderius		14	12	40	the end with
24	d	Eſther		26	13	37	ſome ſhowers
25	e	Trinity Sund.	Piſces	8	14	34	and indiffe-
26	f	Craſt. Trin.		20	15	32	rently warm.
27	g	Beda	Aries	2	16	29	
28	a	Monica		14	17	26	
29	b	K. Ch. 2. Nat		26	18	23	
30	c	Terme begins	Taur.	7	19	20	
31	d	Petronella		20	20	18	

New moon the 3 day, 43 min. past 2 in the morn.
First quarter the 10 day, 51 min. past 9 beforenoon.
Full moon the 17 day, 26 min. past 2 in the morning.
Last quarter the 24 day, 17 min. past 5 afternoon.

1	☽	f	1 sun. af. Trin.	Gem.	2	21	15	
2	f	g	Octab. Trin.		15	22	12	Hot weather
3	g	a	Erasmus		27	23	9	now comes
4	a	b	Quirine	Cane.	10	24	6	on apace
5	b	c	Boniface		23	25	3	with high
6	c	d	Artemius	Leo	6	26	0	winds and
7	d	e	Paul Bish.		19	26	57	dry parching
8	☽	f	2 sun. af. Trin.	Virgo	3	27	54	weather.
9	f	g	Quind. Trin.		17	28	52	
10	g	a	Margaret Q.	Libra	1	29	49	
11	a	b	S. Barnabas		15	0♎	46	
12	b	c	Blandina		29	1	43	
13	c	d	Tyrillus	Scorp.	14	2	40	Stormy and
14	d	e	Valerius		28	3	37	hot weather
15	☽	f	3 after Trin.	Sagit.	13	4	34	with high
16	f	g	Tres Trin.		27	5	31	winds.
17	g	a	Botolph	Capr.	11	6	28	
18	a	b	Term ends		25	7	25	
19	b	c	Gervase	Aquar.	9	8	22	
20	c	d	Sylverius		22	9	19	Towards the
21	d	e	Walburg	Pisces	4	10	16	end rainy &
22	☽	f	4 after Trin.		16	11	13	windy with
23	f	g	Basilius fast		29	12	10	thunder, and
24	g	a	S. John Bapt.	Aries	11	13	7	very hot.
25	a	b	Elogius		22	14	4	
26	b	c	Jeremias	Taur.	4	15	2	
27	c	d	7 Sleepers		16	15	59	
28	d	e	Leo fast		28	16	56	
29	☾	f	S. Peter Apo.	Gem.	11	17	53	
30	f	g	Com. S. Paul		23	18	50	

New moon the 2 day, 27 min. past 2 afternoon.
First quarter the 9 day, 38 min. past 1 afternoon.
Full moon the 16 day, 32 min. past noon.
Last quarter the 24 day, 53 min. past 9 beforenoon.

1	g	Theobald	Canc.	6	19	47	
2	a	Visit. S. Mary		19	20	44	Stormy weather with hail and pritty hot and withall moist and sultry following.
3	b	Cornelius	Leo	2	21	41	
4	c	Ulricus		16	22	38	
5	d	Anselme	Virg.	0	23	35	
6	e	6 Sun. af. Trin.		14	24	33	
7	f	Tran. Becket		27	25	30	
8	g	Demetrius	Libra	12	26	27	
9	a	Cyrillus		26	27	24	
10	b	7 Brethren	Scorp.	10	28	21	
11	c	Pius		24	29	18	
12	d	Henricus	Sagit.	8	0	16	
13	e	7 Sun. af. Trin.		22	1	13	Good seasonable weather with thunder and lightning on evenings.
14	f	Bonavent.	Capr.	6	2	10	
15	g	Swithin B.		20	3	7	
16	a	Hilarine	Aquar.	3	4	5	
17	b	Alexius		16	5	2	
18	c	Rosina		29	5	59	
19	d		Pisces	12	6	57	
20	e	8 Sun. af. Trin.		24	7	54	
21	f	Daniel	Aries	7	8	51	Toward the end showery with black clouds threatning more showers and them violent.
22	g	Mary Mag.		18	9	48	
23	a	Apollin bish.	Taur.	0	10	46	
24	b	Christina fast		12	11	43	
25	c	S. James Apo.		24	12	41	
26	d	Anna	Gem.	6	13	38	
27	e	9 Sun. af. Trin.		18	14	36	
28	f	Panthaleon	Canc.	1	15	33	
29	g	Beatrix		14	16	31	
30	a	Abdon		27	17	23	
31	b	German	Leo	11	18	26	

New moon the 1 day, 8 min. past 2 in the morning.
First quarter the 7 day, 36 min. past 7 at night.
Full moon the 15 day, 53 min. past 12 in the morning.
Last quarter the 23 day, 5 min. past 3 in the morn.
New moon the 30 day, 21 min. past 10 in the morn.

1	f	Lammas day	Leo	25	19	24		
2	g	Stephanus	Virgo	9	20	21	High winds	
3		10 after Trin.		24	21	18	begin the	
4	a	Dominick	Libra	8	22	16	month which	
5	b	Fest. Nivis		22	23	14	may bring	
6	c	Transf. Christi	Scorp.	7	24	11	rain at last.	
7	d	Donatus		21	25	9		
8	e	Cyriacus	Sagit.	5	26	7		
9	f	Romanus		19	27	5		
10		11 after Trin.	Capr.	2	28	2	Hot weather	
11	g	Gilbert B. C.		16	29	0	now.	
12	a	Clare Virg.		29	29	58		
13	b	Sun in Virgo	Aquar.	12	0	♍ 57		
14	c	Eusebius		25	1	55		
15	d	Assumpt. Mary	Pisc.	8	2	53		
16	e	Roch		20	3	50		
17		12 after Trin.	Aries	3	4	48	Stormy	
18	f	Helena		15	5	46	bluftering	
19	g	Sebaldus		27	6	45	weather and	
20	a	Bernard	Taur.	8	7	43	not so hot as	
21	b	Athanasius		20	8	41	before.	
22	c	Symphor.	Gem.	2	9	39		
23	d	Zacheus fast		14	10	38	Windy and	
24		S. Bartholom.		26	11	36	dry toward	
25	f	Lewis King	Cane.	9	12	34	the end.	
26	g	Irenæus		22	13	32		
27	a	Dog days end	Leo	5	14	31		
28	b	Augustine		19	15	29		
29	c	Decol. J. Bapt.	Virgo	3	16	28		
30	d	Felix		18	17	26		
31		14 aft. Trin.	Libra	3	18	24		

First quarter the 6 day, 21 min. past 12 in the morn.
Full moon the 13 day, at 8 at night.
Last quarter the 21 day, 41 min. past 7 at night.
New moon the 28 day, 34 min. past 7 at night.

1	f	Giles Abbot	Libra	18	19	23		
2	g	Seraphia	Scorp.	3	20	22	Cold and	
3	a	Euphem.		17	21	20	rainy at the	
4	b	Theodot.	Sagit.	2	22	19	beginning.	
5	c	Bertine		15	23	17		
6	d	Magnus		29	24	16		
7	e	15 after Trin.	Capr.	13	25	15	Windy and	
8	f	Nat. of Mary		26	26	14	stormy wea-	
9	g	Gorgon	Aquar.	9	27	12	ther, and not	
10	a	Nosthenes		21	28	10	very hot, but	
11	b	Theobald	Pisces	4	29	9	indifferently	
12	c	Sun in Libra		16	0 ♎	8	warm.	
13	d	Amatus		29	1	7		
14	e	16 after Trin.	Aries	11	2	6		
15	f	Nicomedes		23	3	5		
16	g	Euphemus	Taur.	5	4	4	About the	
17	a	Ember week		17	5	3	last quarter	
18	b	Ferriolus		29	6	2	expect much	
19	c	Januarius	Gem.	10	7	2	rain, with	
20	d	Fausta		22	8	1	high winds,	
21	e	S. Matthew	Canc.	5	9	1	and some-	
22	f	Maurice		17	10	0	thing cold	
23	g	Eldras	Leo	0	10	59	toward the	
24	a	Rupert		13	11	59	end.	
25	b	Cleophas		27	12	58		
26	c	Cyprian	Virgo	11	13	57		
27	d	Judith		26	14	57		
28	e	18 after Trin.	Libra	11	15	56		
29	f	S. Michael		26	16	56		
30	g	Jerome	Scorp.	12	17	55		

First quarter the 5 day, 21 min. past 9 beforenoon.
Full moon the 13 day, 6 min. past 9 beforenoon.
Last quarter the 21 day, 1 min. past 11 beforenoon.
New moon the 28 day, 47 min. past 4 in the morn.

1	a	Remigius	Scorp.	27	18	55	
2	b	Leodegar	Sagit.	11	19	55	Wet weather
3	c	Candidus		25	20	54	and cold.
4	d	Francis	Capr.	9	21	54	
5	e	19 after Trin.		23	22	54	
6	f	Faith	Aquar.	6	23	53	Gloomy and
7	g	Spes		18	24	53	dark with
8	a	Pelagia	Piſces	1	25	53	high winds
9	b	Dionyſ.		13	26	53	following.
10	c	Gideon		26	27	53	
11	d	Burchard	Aries	8	28	53	Very tempe-
12	e	20 after Trin.		20	29	53	ſtuous and
13	f	Sun in Scorp.	Taur.	2	☌	53	boiſterous
14	g	Calixtus		14	1	53	now, and
15	a	Hedwig.		25	2	53	withall cold.
16	b	Gallus	Gem.	7	3	53	
17	c	Florence		19	4	53	
18	d	S. Luke Evan.	Canc.	1	5	53	
19	e	21 after Trin.		14	6	54	
20	f	Tres Mich.		26	7	54	Much rain
21	g	Ursula	Leo	9	8	54	toward the
22	a	Cordula		22	9	54	end and raw
23	b	Term begins	Virg.	6	10	55	cold weather
24	c	Salome		20	11	55	with it is like
25	d	Criſpine	Libra	4	12	55	ſome ſnow.
26	e	22 aft. Trin.		20	13	56	
27	f	Menſ.mich.fa.	Scorp.	5	14	56	
28	g	Sim. & Jude		20	15	57	
29	a	Narciſſus	Sagit.	5	16	57	
30	b	German		20	17	58	
31	c	Quintan faſt	Capr.	4	18	58	

First quarter the 4 day, 12 min. past 2 in the morn.
Full moon the 12 day, 38 min. past 3 in the morning.
Last quarter the 19 day, 19 min. past 11 at night.
New moon the 26 day, 59 min. past 3 afternoon.

1	d	All Saints	Capr.	19	19	59		
2	e	23 after Trin.	Aquar.	2	21	0	☾	Cold and
3	f	Craft. Anim.		15	22	0		moist weather
4	g	Wodestine		28	23	1		at the begin-
5	a	Powder Plot	Pisces	10	24	2		ning, and
6	b	Leonard		23	25	3		soon after
7	c	Willibald	Aries	5	26	3		look for frost.
8	d	Claudius		17	27	4		
9	e	24 after Trin.		29	28	5		
10	f	Triphon	Taur.	10	29	6		
11	g	Martine		22	0	7	♄	
12	a	Craft. Mart.	Gem.	4	1	7		Very good
13	b	Eugenia		16	2	8		seasonable
14	c	Frederick		28	3	9		weather about
15	d	Leopold	Canc.	11	4	10		this time.
16	e	25 after Trin.		23	5	11		
17	f	Hugo	Leo	6	6	12		
18	g	Octab. Mart.		19	7	13		
19	a	Elizabeth	Virgo	2	8	14		
20	b	Edmund K.		15	9	15		Cloudy and
21	c	Oblat. Mary		29	10	16		cold toward
22	d	Cicily Virg.	Libra	13	11	17		the end with
23	e	26 after Trin.		28	12	18		frost and
24	f	Chrysogonus	Scorp.	13	13	20		snow.
25	g	Quind. Mart.		28	14	21		
26	a	Conrade	Sagit.	13	15	22		
27	b	Agricola		28	16	23		
28	c	Term ends	Capr.	13	17	24		
29	d	Saturn fast		27	18	25		
30	e	S. Andrew	Adv. Sund.		19	26		

December hath xxxi days.

First quarter the 3 day, 28 min. past 6 at night.
Full moon the 11 day, 19 min. past 10 at night.
Last quarter the 19 day, 1 min. past 9 before noon.
New moon the 26 day, 33 min. past 3 in the morn.

1	f	Longinus	Aquar.	24	20	28	
2	g	Candidus	Pisces	7	21	29	Temperate
3	a	Caſſian		19	22	30	and not very
4	b	Barbara	Aries	1	23	31	cold for the
5	c	Sabina		13	24	33	ſeaſon.
6	d	Nicholas		25	25	34	
7	e	2 ſun. in Adv.	Taur.	7	26	35	
8	f	Concep. Mary		19	27	36	
9	g	Joachim	Gem.	1	28	38	Dry windy
10	a	Miltiades		13	29	39	& cold wea-
11	b	Sun in Capric.		25	0 ♑	40	ther about
12	c	Valerius	Canc.	7	1	41	this time.
13	d	Lucia Virg.		20	2	43	
14	e	3 ſun. in Adv.	Leo	2	3	44	
15	f	Ibzaham		15	4	45	
16	g	O Sapientia		29	5	47	Boiſterous
17	a	Ember week	Virgo	12	6	48	weather with
18	b	Lazarus		26	7	49	froſt and to-
19	c	Chriſtopher	Libra	9	8	51	ward the end
20	d	Amon faſt		24	9	52	ſnow, but the
21	e	S. Thomas	Scorp.	8	10	53	cold abates
22	f	Theodoze		22	11	54	before the
23	g	Victor	Sagit.	7	12	56	year expires.
24	a	Ad. & Ev. faſt		22	13	57	
25	b	Chriſt's birth	Capr.	6	14	58	
26	c	S. Stephen		21	16	0	
27	d	S. John	Aquar.	5	17	1	
28	e	H. Innocents		19	18	2	
29	f	Treſcens	Piſces	2	19	4	
30	g	David		15	20	5	
31	a	Sylveſter		28	21	6	

A Regal Table in a more exact manner.

The Year, Moneth, and Day, (accounting the Year to begin *Jan.* 1.) whereon every K. and Q. of *Eng.* since the Conq. began their reign.			The number of Years, Moneths, & Days, that every K. & Q. reign. 28 da. to 2 mon.				The num. of y. expired in this y. since they began to reign: as also since they ended.		
K. W. Conq.	1066	Octob. 14	20 y	11 m	22 d	518			
W. Rufus	1087	Sept. 9	12 y	11 m	18 d	597	W Conq.		
Henry 1	1100	Auguſt 1	35 y	4 m	11 d	584	W. Rufus		
Stephen	1135	Decem. 2	18 y	11 m	18 d	549	Henry	1	
Henry 2	1154	Octob. 25	34 y	9 m	2 d	530	Stephen		
Richard 1	1189	July 6	9 y	9 m	9 d	495	Henry	2	
John	1199	April 6	17 y	7 m	0 d	485	Richard	1	
Henry 3	1216	Octob. 19	56 y	1 m	0 d	468	John		
Edward 1	1272	Nov. 16	34 y	8 m	6 d	412	Henry	3	
Edward 2	1307	July 7	19 y	7 m	5 d	377	Edward	1	
Edward 3	1327	Jan. 25	50 y	5 m	7 d	357	Edward	2	
Richard 2	1377	June 21	22 y	3 m	14 d	307	Edward	3	
Henry 4	1399	Sept. 29	13 y	6 m	3 d	285	Richard	2	
Henry 5	1413	Marc. 20	9 y	5 m	24 d	271	Henry	4	
Henry 6	1422	Aug. 31	38 y	6 m	16 d	262	Henry	5	
Edward 4	1461	March 4	22 y	1 m	8 d	223	Henry	6	
Edward 5	1483	April 9	0 y	2 m	18 d	201	Edward	4	
Richard 3	1483	June 22	2 y	2 m	5 d	201	Edward	5	
Henry 7	1485	Aug. 22	23 y	10 m	24 d	199	Richard	3	
Henry 8	1509	April 22	37 y	10 m	2 d	175	Henry	7	
Edward 6	1547	Jan. 28	6 y	5 m	19 d	137	Henry	8	
Q. Mary	1553	July 6	5 y	4 m	22 d	131	Edward	6	
Q. Elizab.	1558	Nov. 17	44 y	4 m	15 d	126	Q. Mary		
K. James	1603	Mar. 24	22 y	0 m	3 d	81	Q. Elizab.		
Charles 1	1625	Mar. 27	22 y	10 m	3 d	59	K. James		
Charles 2	1649	Jan. 30	Long live the King			35	K. Charles	1	

The uſe of this Table in Example.

King *Henry* 8 began his Reign in the year of *Chriſt* 1509, *April* 22 He Reigned 37 years, 10 moneths, and 2 days. It is ſince he began his Reign 175 years compleat the 22 of *April* this year 1684. Now to know the time ſince the end of his Reign, before his name ſtanding on the right hand, you ſhall there find 137 years ſince he died, *January* 28. And ſo of the reſt.

SWALL.

SWALLOW.

The latter part of this

ALMANACK

for the Year of our

LORD GOD

1684.

Being Biſſextile or Leap-year, and from the Conqueſt of *England* by *William* Duke of *Normandy* 618 years.

Wherein is contained an account of the Eclipſes, the time of the Sun's entrance into the four Cardinal Signs, A moſt natural and rational account of *Aſtrology*; and likewiſe Tables of Weights and Meaſures, and a Table for Timber, with Rules for meaſuring Boards and Timber, and other profitable and delightfull things.

Poma dat Autumnus: formoſa eſt meſſibus Æſtas: Ver præbet flores: Igne levatur Hyems.

CAMBRIDGE,
Printed by *John Hayes*, Printer to the Univerſity, 1684.

Advertiſement.

THe Spirits of Scurvy Graſs both Plain and the Golden purging, are ſtill prepared (as formerly) by the firſt and onely true Author *Robert Bateman*, at his Houſe at *Pauls Chain* near *Doctors Commons, London.* The Bottles are all ſealed with his Coat of Arms, the Half Moon and Ermins to prevent Counterfeits. Price 1 s. each Bottle.

Of the Eclipſes this year.

THis Year there will happen four Eclipſes, *viz.* twice of the Sun, and twice of the Moon; three of them being viſible to us in *England*, *viz.* two of the Moon, and one of the Sun.

The firſt Eclipſe in order will be of the Sun on *January* the 6 day at 6 at night, in 26 degrees of ♑, it will be a great Eclipſe, 11 digits of the Suns body being obſcured, but to us inviſible by reaſon that the Sun will then be beneath our Weſtern Horizon, but in *America*, the *Weſt Indies*, &c. it may be ſeen.

The ſecond will be a ſmall Eclipſe of the Moon, happening on the 17 day of *June* about 3 in the morning, in 6 degrees of ♑, and it may be viſible to us.

The third will be an Eclipſe of the Sun, in 22 degrees of ♋, on *July* the 2 day, about 3 afternoon; it will be a great Eclipſe, 8 digits or two thirds of the Suns Body being obſcured from our ſight.

The fourth is a great Eclipſe of the Moon on *December* the 11 day at 11 at night, it happens in one degree of ♋, and will be viſible to us in *England*, it will be almoſt total.

On *October* the 3 day happens a famous Conjunction of *Saturn* and *Mars*, in 13 degrees of ♍, it is ſaid to be of wrangling and treacherous import.

The Suns entrance into the four Cardinal Signs.

HE enters *Aries*, *March* the 9, at 2 afternoon.

He enters *Cancer*, *June* the 10, at 37 minutes paſt 4 afternoon.

He enters *Libra*, *September* the 12, at 44 minutes paſt 8 in the morning.

He enters *Capricorn*, *December* the 10, at 15 min. paſt 8 night.

A moſt natural and rational account of Aſtrology.

ASTrology (as it is defined by ſome) is the language or influence of the Stars, by whoſe motions and various configurations is manifeſted and foreſeen the intents of Gods Providence in the ſeveral mutations that happen in the World in general, and more particularly towards Man.

The ſubjects of Aſtrology are the four principle Qualities, (as they are derived and do proceed from the firſt principles of the univerſe) *viz.* Heat, Cold, Drought, and Moiſture, and all things that are compounded of them.

The uſe and end of Aſtrology, is to diſcover and make manifeſt the cauſes of thoſe mutations and accidents that happen in general, as Dearth, Plenty, *&c.*

The parts of Aſtrology are chiefly two, *viz.* Theorick and Practick;

The Theorick part (which is more properly called Aſtronomy) is that which by certain Mathematical Demonſtrations and Figures, repreſents to us the various Motions, Places, Magnitudes, Diſtances, and Proportions one to another, with all other Phœnomena, or appearance of the Stars.

The Practick part, is that which from the knowledge of the aforeſaid Motions, Configurations, *&c.* of the Stars, judgeth of their Effects; and this is that which moſt properly of it ſelf is called Aſtrology, or the Influence of the Stars.

Neither can it be void of a third diviſion, and that is Phyſical, by which is demonſtrated their occult Virtues and Natures, and by what means they come to have ſuch various Motions, Diſtances, Paſſions, *&c.* from whence ſuch variety of Effects do proceed, as alſo hereby is ſhewed by what means they differ in quality among

among themſelves, by which means they produce moſt forcible Effects upon ſome particular Objects.

Of the Stars ſome are termed Fixed, and ſome Wandering or Planets.

The Fixed Stars are thoſe that are placed in their ſeveral Conſtellations or Aſteriſms, having equal diſtances, at all times one from another: their Latitude being always the ſame, and by the Anticipation of the Æquinoxes, ſeem to have onely a ſlow motion in Longitude, *viz.* 50 ſeconds in a Year, which is only 1 degree 23′ 20″ in 100 Years.

A Conſtellation is a certain number of Fixed Stars collected into a certain form, either for that the Stars in thoſe places are of the nature of that Creature in the form of which they are placed, or becauſe they only make the form of ſuch a Creature.

Of theſe Conſtellations there are three diviſions, *viz.* Zodiacal, Northern, and Southern Conſtellations.

The moſt principal are thoſe which are termed Zodiacal, becauſe they are placed upon that great Circle of the Sphære ſo called.

And theſe are called Signs becauſe from them is meaſured in Longitude the places of all the Stars, whether Fixed or Wandring, hence any Star is ſaid to be in ſuch a degree, *&c.* of ſuch a Sign.

The Northern and Southern Conſtellations are ſo termed, becauſe they are placed either North or South of thoſe in the Zodiack, and the further North or South they decline or are placed from this Circle, they are of the leſs conſideration in Aſtrological Judgements.

And as the difference is in the ſeveral Conſtellations themſelves, ſo is it likewiſe in the fixed Stars therein placed, and this difference ariſeth either in reſpect of Magnitude or Place.

In reſpect of Magnitude, the Antients have diſtinguiſhed them into Six, *viz.* Stars of the firſt Magnitude,

ſecond magnitude, third magnitude, fourth magnitude, fifth magnitude, ſixth magnitude.

In reſpect of Place, thoſe that are placed in the Zodiack, and neareſt to the middle thereof (which is a Line called *Via Solis*, and the Ecliptick) are of Chiefeſt Signification, yet not rejecting ſuch as are vertical in poſition in reſpect of time and place.

The Wandring Stars are thoſe commonly termed Planets *ab errando*, from wandring to and fro in their ſeveral Spheres in which they were placed at their Creation.

They are ſaid to be wandring in reſpect of their motion, either in Longitude or Latitude; in Longitude ſometimes they ſeem (to us) to move direct or forward, ſometimes Retrograde or backward, ſometimes Stationary or move not at all, ſometimes they are ſwifter in motion, ſometimes ſlower, according to their diſtance from the Earth. They are ſaid likewiſe to wander in reſpect of Latitude, for ſometimes they are more northward of the Ecliptick, ſometimes more ſouthward, and ſometimes they are juſt in the Ecliptick, and ſo have no Latitude at all.

And as this difference of motion is proper to all the Planets in general, ſo likewiſe they vary in proportion one to another, for ſome of them are of ſlower motion, ſome of more ſwift, according to their diſtance from their Centers, and the Circumference of their Spheres in which they move.

The Signs are ſo many Conſtellations placed upon a great Circle of the Sphere, which for diſtinction ſake do take denomination of ſuch Creatures, as they repreſent in Form or Nature.

They are in number 12, each containing 30 degrees in Longitude, the whole Circle containing 360 degrees, but in this reſpect they are to be conſidered two ways, *viz.* either in reſpect of their diviſion upon the Ecliptick, or in their proper Conſtellations.

They

They are reckoned in the Ecliptick from the Vernal Equinoctial or beginning of *Aries*, which is a point to which when a Planet comes he hath an Equal Arch of Day and Night, and when the Sun or Earth comes to that point, Days and Nights are of equal length, but the Conſtellations as they have a different beginning, ſo they have a various and unequal diviſion, ſo that the firſt Zodiacal Conſtellation in this Age, begins about the 28 degree of the firſt Sign, *viz.* ♈, and ſo they annually make their progreſſion as aforeſaid, *viz.* 1 deg. and 23′ in 100 Years.

The 12 Signs are appropriated to the 12 Months of the Year, for that the Sun every Month paſſeth through one Sign, *viz.* 30 degrees, and ſuch a Month is called a Solar Month, and thus are they divided alſo into four parts, anſwering to the four Quarters of the Year, and the four diviſions of Man's Age.

♈, ♉, ♊, are appropriated to the Spring Quarter, beginning at ♈ the firſt Sign, and in this our age attributed to the firſt Month of the Year, *viz.* *March*, and ſo the other two Signs to the other two Months of *April* and *May*; as to Man's Age, this firſt diviſion both of Signs and Quarters is attributed to, and hath conſignification with our Youth.

♋, ♌, ♍, are appropriated to the Summer Quarter, *viz.* *June*, *July*, and *Auguſt*, and in Man's Age to manhood.

♎, ♏, ♐, are appropriated to the Autumnal Quarter, *viz.* the Months of *September*, *October*, *November*; and to the declining age of Man.

♑, ♒, ♓, are appropriated to the Winter Quarter, and the Months of *December*, *January*, and *February*, and to the old and laſt Age of Man.

The Signs are alſo divided into four Triplicities, anſwering to the four Qualities, and the ſeveral Temperatures, Humours, and Complexions in Man.

♈, ♌, ♐, are of the Fiery Trigon; hot, dry, and Chollerick.

♉, ♍, ♑, are of the Earthy Trigon, cold, dry, and Melancholly.

♊, ♎, ♒, are of the Airy Trigon; hot, moist, and Sanguine.

♋, ♏, ♓, are of the Watry Trigon; cold and moist, and do represent the Phlegmatick Humour or Complexion.

They are again divided into Moveable, Fixed, and Common.

Moveable, are ♈, ♎, ♋, ♑, so called, because they signifie more sudden alteration, and are more manifest in operation: hence it is that the Sun entring into these Signs doth divide the four Seasons of the Year as aforesaid, and suddenly manifest the change of the Air, *&c.* according to the season; and so in other operations of the other Planets, for which cause these Signs are most properly called the most efficacious and principle Signs or parts of the Circle.

Fixed Signs are ♉, ♍, ♌, ♒, so termed, because what is signified in and by them is more durable and fixed, and the season inclines more to its own property generally, they are less principle as being succedent to the former.

Common Signs are ♊, ♐, ♍, ♓, which are cadent from the Equinoctial and Tropical Signs; and Consequently of least signification: they are termed Common, for that they partake of the nature of the precedent and subsequent Signs, they signifie many relapses and sudden and contrary mutations, *&c.*

The Signs are also divided into Humane and Bestial.

Humane Signs are ♊, ♎, ♍, ♒, and the first part of ♐, which as they represent Humane Creatures, so have they most signification upon all Humane Actions, and in particular upon Man.

Bestial

Beſtial Signs are ♈, ♉, ♌, ♑, and laſt part of ♐, as having ſignification on ſuch Creatures as they repreſent in particular, ♋ and ♓ repreſent and have moſt ſignification on the Waters, and ſuch things as are contained in them, as Fiſh, Navigable Affairs, *&c.* ♏ repreſents Serpents and Creeping Things, Locuſts, all manner of treachery and fraud, *&c.*

The Signs are likewiſe ſaid to have reſpect to the ſeveral quarters or parts of the World, either in regrad of their declination, or by a certain congruence one to the other:

By their declination they are accounted Septentrional or Northern, as ♈, ♉, ♊, ♋, ♌, ♍, are ſo accounted, becauſe their declination is north from the Equinoctial: or Meridional or Southern, as ♎, ♏, ♐, ♑, ♒, ♓, which decline ſouthward.

In regard of their Congruity one with another, ♈, ♌, ♐, are ſaid to reſpect the Oriental Parts, becauſe ♈ having no declination from the Equinox at the beginning doth chiefly reſpect the Eaſt, and ♌ and ♐ being Signs of the ſame Triplicity, are attributed to the ſame Quarter, though one have great north declination, and the other ſouth. So likewiſe ♉ denotes ſuch parts as lie ſouth, becauſe of the ſame Trigon with ♑ whoſe Tropical Point is the angle of greateſt declination ſouthward, yet the declination of ♉ is north, and in that reſpect called otherwiſe a northern Sign, and ſo much for the Signs.

The Planets (as was before noted) or wandering Stars are different from thoſe termed Fixed, not onely in motion, but alſo in regard of their Eſſential Qualities; for the Fixed Stars are nearer the Matter of the Sun, whoſe Light alſo is Eſſentially in, and inherent to themſelves, as the Light of the Sun is, and as the Fixed Stars are in Subſtance and Quality ſimilar and analogical to the Sun, ſo are the Planets or wandring Stars to our Earth, which ſhine by that Light which they

they borrow from the Sun who is the Center both of their Light and Motion, differing no more from the Quality of our Earth, than the Mettalls of the ſaid Earth, differ one from another.

The Number of the Planets are generally accounted ſeven, *viz.* *Saturn* ♄, *Jupiter* ♃, *Mars* ♂, *Sol* ☉, *Venus* ♀, *Mercury* ☿, *Luna* ☽.

Theſe Planets have more powerfull Influence upon the Earth, and thoſe things produced from, and contained in it, than the Fixed Stars, as well for this Reaſon, *viz.* that they Sympathize in Nature with her, as in reſpect of their propinquity to the Earth, which is the general and common Reaſon given for their more manifeſt Power and Operation, for although the Fixed Stars are of a vaſt and incomprehenſible diſtance, inſomuch as they are void of all ſenſible parallax, yet in regard of their exceſs in magnitude to that of the Planets (as by their viſible appearances is manifeſt, who notwithſtanding their diſtance appear as it were equal in magnitude) they muſt neceſſarily have as powerfull operation upon us, as the Planets have, did they ſympathize with our Earth as the Planets do, whether it be by Magnetiſm, or an active influx in themſelves; yet in regard it often happens, that the Planets are augmented or diminiſhed in their operations by their propinquity to the Fixed Stars, it hath been obſerved that either by their colour or experienced virtues and operations, they have participated with the Planets in ſignification, though more weakly and in ſomewhat a different ſenſe, ſo that by the variety of their Influence they are ſaid to be of the nature of ſuch a Planet, and ſometimes of two Planets.

Not onely the difference of the Planets from thoſe Stars called Fixed is to be conſidered, but alſo the difference among themſelves, for according to their various Qualities, they produce various Effects; from whence ſome are termed, Fortunes and Benevolent, others

others Infortunes and Malevolent, and ſome Indifferent.

The Benevolent and Fortunate Planets are ♃ and ♀, and the good Aſpects of the Sun.

The Infortunes and Malevolent are ♄ and ♂, and the bad Aſpects of the Sun.

Thoſe Planets that are of an indifferent nature, are ☿ and the Moon.

And this diverſity of operation proceeds from the agreement or contrariety of nature and quality, to that of our Earth, even as the Vegetables of the Earth do accord with, or are contrary in nature one to the other; and ſo ♄ by reaſon of his exceſs in Cold, and ♂ in reſpect of his exceſs in Heat, are ſaid to be infortunate to us, as exceeding in thoſe principal qualities, ſo that generally they become deſtructive to nature in its actions and paſſions: and hence it is alſo that ♃ and ♀ are ſaid to be benevolent and friendly to our natures, becauſe they ſympathize nearer with the nature of our Earth, and all its productions, not exceeding in any one quality by which nature becomes corrupted and deſtroyed.

☿ and the Moon are ſaid to be indifferent as much for the reaſon aforeſaid, as by reaſon of their affinity to, and frequent variation from other Planets, for as it is the property of ☿ to be ſubject to ſuch mutation in his influence by reaſon of his acceſs to, and coherence with the other Planets by body or Aſpect.

So the Moon by reaſon of her propinquity to the Earth as its proper attendant (reſpecting the ſame for her proper center) doth more eaſily receive impreſſion from, and conveigh the influence of all the othe Planets to us, (by which they become more ſignificant and apparent in their operations) though ſhe in reſpect of her own eſſential quality, exceeds our Earth in humidity.

So

So the Sun, as he is the Center (more eſpecially) of the motion of all the Planets, it is manifeſt that by his good or bad Aſpects, he ſhould be either very friendly to Nature in the one, and as prejudicial in the other.

Theſe are ſome of the ſeveral Significations of the Planets as they are ſimply conſidered by themſelves, but their influences are intended or remitted by their mixtures one with another, as alſo by their various Poſitions and Aſpects,

As by their Poſition in Signs in which they are ſaid to have moſt principal reſpect, as in their own proper Houſes, and alſo in reſpect of their propinquity, or oblique and direct poſitions to Earth, being far more powerfull in influence or operation by ſo much as their influential beams are directly projected.

The moſt principal Aſpects of the Planets among themſelves, are theſe four, *viz.* Sextile ⚹, Quartile □, Trine △, Oppoſition ☍.

The ☌ Conjunction, improperly called an Aſpect, as it is the corporal union of their Beams, is of moſt power among other Configurations, and of the infortunate Planets is very malevolent, of the fortunate benevolent, of the fortunes with the infortunes, is good to the bad Planets, but evil to the good; and note that ♄ and ♆ make but 10 Conjunctions in one Trigon, continuing in the ſame near 200 Years, that is a Conjunction once in 20 Years, and compleats a revolution of all the Trigons once in a little leſs than 800 Years, which is very obſervable, there being but ſeven revolutions compleated ſince the Creation, after every one of which, ſomething notable has happened in the World.

A plain and easie Table shewing the true Interest due upon any Sum of Money from five Shillings to an Hundred Pounds, for a Year or under, after the rate of Six Pounds in the Hundred.

		1 month			3 months			6 months			9 months			A Year.		
		sh.	*p.*	*q.*	*sh.*	*p.*	*q.*	*sh.*	*p.*	*q.*	*sh.*	*p.*	*q.*	*sh.*	*p.*	*q.*
Shill.	5	0	0	1	0	0	3	0	1	3	0	1	2	0	3	2
	10	0	0	2	0	1	3	0	3	2	0	5	0	0	7	0
	15	0	0	3	0	2	2	0	5	1	0	8	2	0	10	2
Pounds.	1	0	1	0	0	3	2	0	7	0	0	10	2	1	2	1
	2	0	2	1	0	7	0	1	2	1	1	9	1	2	4	2
	3	0	3	2	0	10	2	1	9	1	2	7	3	3	6	3
	4	0	4	3	1	2	1	3	4	2	3	6	3	4	9	0
	5	0	6	0	1	6	0	3	0	0	4	6	0	6	0	0
	6	0	7	0	1	9	2	3	7	0	5	4	2	7	2	1
	7	0	8	1	2	1	0	4	2	1	6	3	1	8	4	2
	8	0	9	2	2	4	2	4	9	1	7	1	3	9	6	3
	9	0	10	3	2	8	1	5	4	2	8	0	3	10	9	0
		po.	*sh.*	*p.*	*po.*	*sh.*	*p.*	*po.*	*sh.*	*p.*	*po.*	*sh.*	*p.*	*p.*	*sh.*	*p.*
Tens of Pounds.	10	0	1	0	0	3	0	0	6	0	0	9	0	0	12	0
	20	0	2	0	0	6	0	0	12	0	0	18	0	1	4	0
	30	0	3	0	0	9	0	0	18	0	1	7	0	1	16	0
	40	0	4	0	0	12	0	1	4	0	1	16	0	2	8	0
	50	0	5	0	0	15	0	1	10	0	2	5	0	3	0	0
	60	0	6	0	0	18	0	1	16	0	2	14	0	3	12	0
	70	0	7	0	1	1	0	2	2	0	3	3	0	4	4	0
	80	0	8	0	1	4	0	2	8	0	3	12	0	4	16	0
	90	0	9	0	1	7	0	2	14	0	4	1	0	5	8	0
	100	0	10	0	1	10	0	3	0	0	4	10	0	6	0	0

Find the Principal in the first Column, and in the other you have the Interest due for one, three, six, nine, or twelve months.

Of

Of Weights and Measures.

Of *Troy* Weight.

24 Grains	make	1 Peny w.
20 Peny weig.	make	1 Ounce.
12 Ounces	make	1 pou. *Troy*

Apothecaries Weight.

20 Grains	make	1 Scruple.
3 Scruples	make	1 Dram.
8 Drams	make	1 Ounce.
12 Ounces	make	1 Pound.

Of *Averdupois* Weight, a Pound whereof is equal to 14 Ounces, 12 peny weight *Troy*; by which Weight is weighed any thing which beareth the name of Garbel in this kind of weight.

16 Drams	make	an Ounce.
16 Ounces	make	a Pound.
28 Pound	make	1 Quarter.
4 Quarters	make	1 H or 112
20 Hundreds	make	1 Tun.

Of Liquid Measure.

2 Pints	make	1 Quart.
2 Quarts	make	1 Pottle.
2 Pottles	make	1 Gallon
8 Gallons	make	1 Firkin of Ale, Sope, Herrings.
9 Gallons	make	1 Firkin of Beer.
10 Gall. ½	make	1 Firkin of Salmon or Eels.
2 Firkins	make	1 Kilderkin
2 Kilderkins	make	1 Barrel.
42 Gallons	make	1 Tierce of Wine.
63 Gallons	make	1 Hogshead
2 Hogsheads	make	1 pipe, Butt.

Dry Measure.

2 Gallons	make	1 Peck.
4 Pecks	make	1 Bushel land measure.
5 Pecks	make	1 Bushel wat. measure.
8 Bushels	make	1 Quarter.
4 Quarters	make	1 Chalder.
5 Quarters	make	1 Wey.

Long Measure.

3 Barly Corns	make	1 Inch.
12 Inches	make	1 foot.
3 feet	make	1 Yard.
3 feet 9 Inch.	make	1 Ell.
6 feet	make	1 fathom.
5 yards and ½	make	1 Pole.
40 Poles	make	1 furlong.
8 furlongs	make	1 *Eng.* mile

Land Measure.

1 pole in breadth and 40 in length make a Rood of Land.

4 Roods make an Acre, which contains 160 square pole.

Cloath Measure.

4 Nails	make	1 Quarter.
4 Quarters	make	1 Yard.

A Table shewing how many Inches in Length makes one Foot of Timber, according to the Compass of any Round Piece of Timber.

The Compass of the Tree in Inches.

Com.	In.	parts.	Com.	In.	parts	Com.	In.	parts
10	217	15	40	13	572	70	4	432
11	179	46	41	12	916	71	4	388
12	150	80	42	12	310	72	4	198
13	128	49	43	11	744	73	4	75
14	110	79	44	11	211	74	3	965
15	94	312	45	10	723	75	3	861
16	84	822	46	10	262	76	3	760
17	75	137	47	9	830	77	3	663
18	67	20	48	9	425	78	3	569
19	60	151	49	9	44	79	3	479
20	54	286	50	8	686	80	3	393
21	49	228	51	8	349	81	3	310
22	44	865	52	8	30	82	3	230
23	40	904	53	7	730	83	3	152
24	37	690	54	7	447	84	3	78
25	34	743	55	7	178	85	3	6
26	32	122	56	6	924	86	2	936
27	29	787	57	6	684	87	2	869
28	27	697	58	6	455	88	2	804
29	25	820	59	6	238	89	2	742
30	24	127	60	6	30	90	2	681
31	22	596	61	5	836	91	2	622
32	21	206	62	5	649	92	2	566
33	19	936	63	5	471	93	2	511
34	18	784	64	5	301	94	2	458
35	17	736	65	5	140	95	2	406
36	16	755	66	4	985	96	2	356
37	15	862	67	4	837	97	2	307
38	15	38	68	4	696	98	2	261
39	14	276	69	4	561	99	2	216
						100	2	171

The use of the Table.

FIrst girt the Piece about, then look the length of that Girt under the title Com. and against it is the length of a Foot solid in Inches and parts of Inches.

Example.

Suppose a piece of Timber be 80 Inches about, then look 80 under the title Com. and against it in the next Column toward the right hand is 3 Inches and 393 decimal parts of an Inch, (that is 393 thousand parts, supposing the Inch to be divided into 1000 parts) for the length of a Foot.

For Square Timber.

Divide always 1728. (the Cubick inches in a foot solid) by the Content at the end, and the Quotient shews the length of a foot solid in Inches.

Example.

Let a piece of Timber be 12 Inches broad and 10 Inches deep at the end, and then the Content will be 120 Inches, which dividing 1728 the Quotient is 14 Inches, and $\frac{48}{120}$ parts for the length of a foot solid.

For Boards.

Divide always 144 (the Inches in a foot square) by the breadth, and the Quotient shews the length of a foot square in Inches.

Example.

If a board be 16 Inches broad, then 144 divided by 16 the Quotient is 9 Inches for the length of a foot according to that breadth.

For Circles.

If the Circumference be given, multiply it by it self, and then by 7, the last product divide by 88, and the Quotient shews the Content: if the Diameter be onely given, multiply it by it self, and then by 11 the last product divide by 14 and the Quotient shews the Content.

A Table of the hour and minute of Sun-rising every second day.

days	Januar. ho.	mi.	Februa. ho.	mi.	March ho.	mi.	April ho.	mi.	May ho.	m.	June ho.	mi.
2	8	4	7	15	6	16	5	14	4	21	3	46
4	8	1	7	11	6	12	5	10	4	17	3	45
6	7	58	7	7	6	8	5	6	4	14	3	44
8	7	56	7	3	6	4	5	2	4	11	3	43
10	7	53	6	57	6	0	4	58	4	7	3	43
12	7	51	6	53	5	56	4	54	4	5	3	43
14	7	48	6	50	5	52	4	50	4	2	3	43
16	7	45	6	46	5	48	4	46	4	0	3	44
18	7	43	6	42	5	44	4	43	3	58	3	45
20	7	40	6	38	5	40	4	39	3	56	3	46
22	7	37	6	34	5	36	4	35	3	54	3	47
24	7	33	6	30	5	32	4	32	3	52	3	48
26	7	29	6	26	5	29	4	29	3	50	3	49
28	7	25	6	22	5	25	4	25	3	48	3	50
30	7	21	0	0	5	21	4	22	3	47	3	52

days	July ho.	mi.	August ho.	mi.	Septem. ho.	mi.	Octob. ho.	mi.	Novē. ho.	m.	Decem. ho.	mi.
2	3	54	4	39	5	39	6	41	7	37	8	15
4	3	56	4	43	5	42	6	45	7	40	8	15
6	3	58	4	46	5	46	6	49	7	44	8	16
8	4	0	4	50	5	50	6	52	7	47	8	17
10	4	3	4	54	5	54	6	56	7	51	8	17
12	4	6	4	58	5	58	7	0	7	54	8	17
14	4	8	5	2	6	2	7	4	7	57	8	17
16	4	11	5	6	6	6	7	8	7	59	8	16
18	4	15	5	10	6	11	7	12	8	1	8	15
20	4	18	5	14	6	15	7	15	8	3	8	15
22	4	21	5	18	6	20	7	19	8	5	8	14
24	4	24	5	21	6	24	7	22	8	7	8	12
26	4	27	5	25	6	28	7	25	8	9	8	10
28	4	30	5	29	6	32	7	29	8	11	8	9
30	4	34	5	32	6	36	7	32	8	13	8	7

Seek the day on the side; and right against it, in every moneth, you have the hour and minute of Sun-rising.

Look how many minutes the Sun rises after 3, 4, 5, 6, 7, 8.]
So many he sets before 9, 8, 7, 6, 5, 4.

A Table of Annuities and Reverſions.

What 1 pound to be paid any number of years hence, under 31, is worth in ready money.				What 1lb Annuity to continue any time under 31 years is worth in ready money at *6 per cent.*				What 1 pound will amount to at any time under 21 year reckoning Intereſt upon Intereſt.			
	ſh.	d.	q.	lb.	ſh.	d.	q.	lb.	ſh.	d.	q.
1	18	10	2	0	18	10	2	1	1	2	2
2	17	9	2	1	16	8	0	1	2	5	2
3	16	9	2	2	13	5	2	1	3	9	3
4	15	10	0	3	9	3	2	1	5	3	0
5	14	11	1	4	4	3	0	1	6	9	0
6	14	1	1	4	18	4	1	1	8	4	2
7	13	3	2	5	11	7	3	1	10	0	3
8	12	6	2	6	4	2	1	1	11	10	2
9	11	10	0	6	16	0	1	1	13	9	2
10	11	2	0	7	7	2	1	1	15	9	3
11	10	6	2	7	17	8	3	1	17	11	2
12	9	11	1	8	7	8	0	2	0	3	0
13	9	4	2	8	17	0	2	2	2	7	3
14	8	10	0	9	5	10	3	2	5	2	2
15	8	4	0	9	14	3	0	2	7	11	1
16	7	10	2	10	2	1	2	2	10	9	2
17	7	5	0	10	9	6	2	2	13	10	2
18	7	0	0	11	16	6	2	3	17	1	0
19	6	7	1	11	3	2	0	3	0	6	0
20	6	2	3	11	9	4	3	3	4	1	3
21	5	10	2	11	15	3	1	3	7	11	3
22	5	6	2	12	0	10	0				
23	5	2	3	12	6	0	3				
24	4	11	1	12	11	0	0				
25	4	7	2	12	15	8	0				
26	4	4	3	13	0	0	3				
27	4	1	3	13	4	2	2				
28	3	11	0	13	8	1	3				
29	3	9	1	13	11	9	2				
30	3	5	3	13	15	3	2				

By this Table you may readily find th increaſe of any other ſumm for ſuch a number of years: for if 1l come to ſo much then ſuch ſuppoſe 5lb will come to 5 times as much &c.

A

A Table shewing how to find Easter for ever by the help of the Golden Number and Dominical Letter.

G.N	A	B	C	D	E	F	G
i	Apr. 9	10	11	12	6	7	8
ii	Mar. 26	27	28	29	30	31	apr. 1
iii	Apr. 16	17	18	19	20	14	15
iv	Apr. 9	3	4	5	6	7	8
v	Mar 26	27	28	29	23	24	25
vi	Apr. 16	17	11	12	13	14	15
vii	Apr. 2	3	4	5	6	mar. 31	apr. 1
viii	Apr 23	24	25	19	20	21	22
ix	Apr. 9	10	11	12	13	14	8
x	Apr. 2	3	mar 28	29	30	31	apr. 1
xi	Apr 16	17	18	19	20	21	22
xii	Apr. 9	10	11	5	6	7	8
xiii	Mar 26	27	28	29	30	31	25
xiv	Apr. 16	17	18	19	13	14	15
xv	Apr 2	3	4	5	6	7	8
xvi	Mar 26	27	28	22	23	24	25
xvii	Apr. 16	10	11	12	13	14	15
xviii	Apr. 2	3	4	5	mar. 30	31	apr. 1
xix	Apr. 23	24	18	19	20	21	22

Yea. of our Lord	1684	1685	1 66	1687	1688	1689	1690
G.N.	13	14	15	16	17	18	19
D.Le.	FE	D	C	B	AG	F	E

The foregoing Table explained.

BY the former Table you may eaſily find *Eaſter*, (and from thence the other Moveable Feaſts) in any year to come. The uſe is thus, You muſt firſt know the Golden Number and Dominical Letter for that year in the which you would know when *Eaſter* will fall, which you may find for 7 years at the bottom of the Table, then enter the Table with the Golden Number in the firſt Column and the Dominical Letter at the top, and in the common Angle is the day of the moneth whereon *Eaſter* falleth that year.

Example, this year 1684 the Golden Number is 13, the Dominical Letters F E. I find 13 in the firſt Column & I go right forward from 13 till I come under the Letter E, where I find *March* 30, upon which day *Eaſter* falls this year, thus do for any other years, onely in Leap-year, there being two Dominical Letters, work with the laſt of them as before.

Having found *Eaſter*, you may from thence find the other Moveable Feaſts, Shroveſund. is 7 weeks before *Eaſter*, Rogation-ſunday 5 weeks after *Eaſter*. The Thurſday after Rogation is Aſcenſion day. 7 weeks after *Eaſter* is Whitſunday, the Sunday following is Trinity-ſunday, the Thurſday after that is *Corpus Chriſti*.

Advent-ſunday, is always the neareſt Sunday to the Feaſt of S. *Andrew*, whether it be before it or after it.

The

The Names of the principal Fairs in *England*, as they have heretofore been ſet forth by others, and are now Corrected and continued for the common good.

January.

THe 5 day at Hicetford in Lancaſhire, the 6 day at Saliſbury, Tueſday after at Melton-Mowbray, the Thurſday after at Banbury: the third Tueſday in January at Potton: the 25 at Graveſend, Briſtol, Churchiſford, Northallerton in Yorkſhire every Wedneſday from Chriſtmas till June.

February.

The 1 day at Bromley in Lancaſhire, the 2 at Reading in Barkſhire, at Maidſton, Bickleſworth, Bicklesfield, Bath, Lyn, Bugworth: the 6 day at Stafford for 6 days: the 14 at Oundle, Feverſham: 24 at Henley upon Thames, Baldock: On Aſhwedneſday at Royſton, Dunſtable, Eaton, Tamworth, Tunbridg, Lichfield, Exeter, Ciceter. The firſt Thurſday in Lent at Banbury: the 26 at Stanford an Horſe Fair.

March.

The 3 day at Bromel-brakes in Norfolk, 4 at Bedford, at Oakham: 12 at Alſome in Norfolk, Sudbury, Wooburn, Stanford, at Wye: 13 at Bodwin in Cornwall: 20 at Durham, Alesbury: Munday before our Lady day at Kendal, at Wisbich, 25 at Huntington, Northampton, Malden, Aſhwel in Hartfordſhire, Newcaſtle, Oney, S. Albans: Midlent Saturday at Saffron-walden: Palmſunday-eve at Wisbich, Worceſter, Pomfret, on Goodfriday at Norwich, the Tueſday before Eaſter at Potton.

April.

Eaſter Munday at Oney in Bedfordſhire, Gainsborough. Eaſter Tueſday at Daintry in Northamptonſh. Godmanchester, Schole in Norfolk, S. Edmunds-bury. On Wedneſday at Wellingborough in Northamptonſh. On Friday

in the ſame week at Darby. On Saturday at Bickleſworth: 2 day at Hitchin, at Rochford, Northfleet: 5 at Wallingford: 7 at Derby, 9 at Billingſworth, Bickleſworth: the 22 at Stabford, 23 at Ipſwich, Harbin in Norfolk, Northampton, Sapſar in Hartfordſhire, Charing, Hinningham, Tamworth, Bury in Lancaſhire: St Pombs in Cornwal, Ampthill, Chicheſter, Engfield, Gilford, Biſhops-Hatfield: the 25 at Buckingham, at Bourn in Lincolnſ. at Colebrook. Dunnow in Eſſex, Darby, Oakham in Rutlandſhire: the 29 at Tenderden in Kent, Cleet. 30 at Beverly a week together.

May.

The 1 day at Swaffam, Haveril in Eſſex, Laytonbuzzard in Huntingtonſh. Rippon in Yorkſ. Reading, Maidſtone, Chelmford, Leiceſter, Litchfield, Lexfield in Suffolk, Stow, Stanſted, Tuxford in the Clay, the 3 day at Elſtow in Bedfordſh, Noneaton in Warwickſ. Thetford in Norfolk, Waltham Abby, Hinningham, Rochdale, *Bramyard.* the 6 at Almeſbury, at Aſhford, 7 at Newton in Lancaſhire, *Beverly*, Oxford. *Bath*: the 8 at Maidſtone: the 19 at Rocheſter, Dunſtable, Magfield in Suffolk. On Rogation Munday at Reach. On Aſcenſion day at Thaxted, *Beverly*, Rippon, Sudminſter, *Biſhopſtratford*, *S.* Neots, Wickham in Lancaſhire, Middle-wich in Cheſhire, Chappel-Frith in Darbiſh. On Whitſun-even at Skipton in Craven. On Whitſun-Munday at S. Ives, Rygate in Surry, *Bickleſworth*, Bradford, Agmunſham in Buckinghamſh. On Whitſun-Tueſday at Newmarket. On Wedneſday at Royſton. Thurſday at Owndle in Northamptonſ. 26 at Lenham, 29 at Crainbrook.

June.

Trinity-even at Rowel, Kendal. On Corpus Chriſti day at Banbury, *Biſhopſtratford*, S. Neots, Coventry, Newbury. The 3 at Alesbury: 9 at Maidſtone. 11 at Breme in Norfolk, *Bardfield* in Eſſex. 17 at Hadſtock, 23 at S. Albans, Deerham in Norfolk, Shrewsbury, 24 at Halſon in Suffolk, *Barnwel* by Cambridge, Bedford, Colcheſter, Hartford,

Hartford, Leiceſter, Rumford, Reading, Windſor, Hallifax, York, Beverly, Haſlingden, 26 at Briſtol, Darby, 27 at Burton on Trent, Folſtone. 28 at S Pombs in Cornw, 29 at Peterborough, Aſhwel, Sudbury, Stebbing in Eſſex. Benington in Hartfordſhire.

July.

The firſt Tueſday at Potton. The 1, 2, 3 days at Congleſtone in Cheſhire, 7 at Royſton, Burntwood. The Munday after at Fodringham, at Canterbury: the 11 at Partney, 17 at Stevenage: 20 at Uxbridge, Coolidge, Woodſtock: the 22 at Ickleton, Bickleſworth, Norwich, Colcheſter, Newark upon Trent; 25 at Audley-end by Walden, Reading, Baldock, Darby, Dover, Erith, Ipſwich, Stamford.

Auguſt.

The firſt day at Bedford, S. Neots, Dunſtable, Feverſham, Wisbich, Bickleſworth, Thaxted: the 6 at Peterborough: the 10 at Blackmore, Harply in Norfolk, S. Ives, Bedford, Banbury, Farnham, Brainford, Owndle: the 15 at Cambridge, Huntington, Dunmow, Luton, Northampton: the 24 at London, Sudbury, Norwich, Oxford, Northallerton, Dover, Beggers-buſh, Burton. the 28 at Aſhford, Daintry: the 29 at Halſon in Suffolk, Harlow-Buſh in Eſſex, Watford.

September.

The firſt day at S. Giles in the Buſh. On Thurſday and Friday before the 8 day at Sandback in Cheſhire. 7, 8, 9, 10 at Woodbury-hill in Dorſetſhire, 7 at Ware. 8 at Huntington, Bury in Lancaſhire, Partney, Wakefield, Northampton, Sturbridge fair begins: the 11 at Wolfpit in Suff. 14 at Rippon, Waltham-Abby, Cheſterfield in Darbiſhire, Richmond: the 21 at Marlborough, Bedford, Baldock, S Edmundsbury, Holden in Holderneſs, Braintry, Brackly-Maiden, Malden, Milſdnal: the 29 at S. Ives, Baſingſtoke, Marketdeeping, Shelford in Bedfordſh. Biſhopſtratford, Malden, Stow in Lincolnſh. S. Albans, Canterbury, Leiceſter, Newbury, Weſtcheſter, Weymer for 7 days: Thurſday after at Banbury.

October.

October.

The 1 day at Salisbury, the 6 at Havent in Hampſh. Maidſtone, Coolidge, Gayworth by Lyn. S. Faiths by Norwich, the 8 at Biſhopſtratford, Harborough, 9 Gainsborough, the 13 at Windſor, Colcheſter, Graveſend, Hitchin, Royſton: the Tueſday before S. Luke at Potton: 18 at Ely, Biſhop Hatfield, Barnet, Banbury, Thirſt, Burton on Trent, Wellinborough: the 21 at Saffron Walden, Coventry: the 23 at Bickleſworth, 28 at Newmarket, Hartford, Oxford, Diſs, Wakefield, Stamford, Richdale in Lancaſhire.

November.

The 1 day at Chelmsford, 2 at Epping, Kingſton on Thames, Packamhaſſon in Suffolk, 6 at Newportpond, Bedford, Hartford, 11 at Lodden in Norfolk, Lenton in Nottinghamſhire, Hempton, Fockingham Bridgeſtock, Marlborough: the 17 at Spalding in Lincolnſh. Lincoln, Harlow, Hide, Northampton: the 19 at Horſham in Kent: the 20 at S. Edmundsbury, Ingerſton in Eſſex, Heath, the 23 at Sandwich, the 30 at Baldock Bareford, Kolingborough, Maidenhead, Warrington, Rocheſter, Wakefield, York.

December.

The firſt day at Tutbury: the 5 at Pluckley: the 9 at S. Neots, at Woodſtock, Exeter, Spalding, Norwich in Cheſhire, Seven-oak in Kent, Arundel, Grantham: the 7 at Sandhurſt, the 8 at Northampton, Clitheral in Lancaſhire, Huntington, Leiceſter, at Malpas in Cheſhire: the 29 at Canterbury, Salisbury.

THere is lately publiſhed *Theſaurus Linguæ Sanctæ Reſeratus*, &c. being a Concordantial *Hebrew Lexicon*, or *Dictionary*; in which all the *Hebrew Lexicons* are ſuccinctly comprehended, and the whole *Hebrew Concordance* of every Word of the *Hebrew Bible* grammatically reſolved, &c.

A Full, Large, and General *Phraſe-Book*; Comprehending, whatſoever is Neceſſary, and moſt Uſefull, in all other *Phraſeological-Books*, (hitherto, here, publiſhed;) and Methodically Digeſted; for the more ſpeedy and Proſperous Progreſs of Students in their Humanity Studies. Both Publiſhed by *William Robertſon*, A. M. and ſold at the Bible on *Ludgate-hill*, LONDON.

FINIS.